

TL1A Active Protein | TNFSF15 active protein

TL1A Protein, Human, Recombinant (rFc Tag)

CATALOG #
AAA258057

HOST
HEK293 Cells

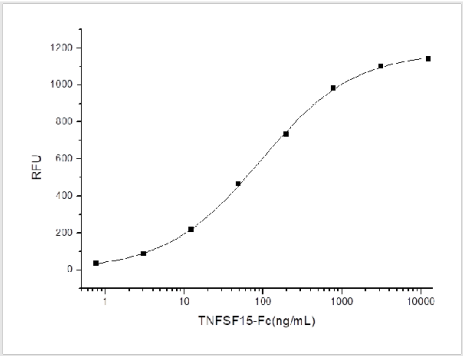
PRODUCT SYNONYMS

TL1A; TL1A Protein; Human; Recombinant (rFc Tag); Human TL1A/TNFSF15 Protein (rFc Tag); TL1 Protein; VEGI Protein; VEGI192A Protein; tumor necrosis factor (ligand) superfamily; member 15; TNFSF15 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Leu72-Leu251
Species	Human
Activity	Measured by its ability to induce apoptosis of TF1 human erythroleukemic cells. The ED ₅₀ for this effect is typically 20-120ng/mL.
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	Ser
Tag	N-rabbit IgG-Fc
Protein Construction	A DNA sequence encoding the human TNFSF15 (NP_005109.2)(Leu72-Leu251) was expressed with the Fc region of rabbit IgG at the N-terminus..
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.

IMAGES



SDS-PAGE

Application Data
Measured by its ability to induce apoptosis of TF1 human erythroleukemic cells. The ED50 for this effect is typically 20-120 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for TNFSF15 active protein	Background: TL1A, also known as TNFSF15, is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. It is specifically expressed in endothelial cells. TL1A also can be detected in monocytes, placenta, lung, liver, kidney, skeletal muscle, pancreas, spleen, prostate, small intestine and colon. TL1A is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It mediates activation of NF-kappa-B. It also inhibits vascular endothelial growth and angiogenesis (in vitro). TL1A promotes activation of caspases and apoptosis. It is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor.
Product Categories/Family for TNFSF15 active protein	Death Receptor Signaling
References	Jin T, et al. (2007) X-ray crystal structure of TNF ligand family member TL1A at 2.1Å. Biochem Biophys Res Commun. 364(1):1-6. Cassatella MA, et al. (2007) Soluble TNF-like cytokine (TL1A) production by immune complexes stimulated monocytes in rheumatoid arthritis. J Immunol. 178(11):7325-33. Prehn JL, et al. (2007) The T cell costimulator TL1A is induced by FcγR signaling in human monocytes and dendritic cells. J Immunol. 178(7):4033-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23510445
NCBI GeneID	9966
NCBI Accession #	NP_005109.2
NCBI GenBank Nucleotide #	NM_005118.3
UniProt Accession #	O95150; Q3SX69; Q5VJK8; Q5VWH1; Q8NFE9
Molecular Weight	20,131 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 15 isoform VEGI-251
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 15
NCBI Official Symbol	TNFSF15
NCBI Official Synonym Symbols	TL1; TL1A; VEGI; VEGI192A
NCBI Protein Information	tumor necrosis factor ligand superfamily member 15; TNF superfamily ligand TL1A; TNF ligand-related molecule 1; vascular endothelial cell growth inhibitor; vascular endothelial growth inhibitor-192A
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 15
UniProt Gene Name	TNFSF15
UniProt Synonym Gene Names	TL1; VEGI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-tnfsf15-active-protein/tl1a/258057>